

ABSTRACT

5 A process for the heterotrophic or predominantly
heterotrophic production of whole-celled or extracted
microbial products with a high concentration of omega-3 highly
unsaturated fatty acids, producible in an aerobic culture
under controlled conditions using biologically pure cultures
of heterotrophic single-celled fungi microorganisms of the
10 order Thraustochytriales. The harvested whole-cell microbial
product can be added to processed foods as a nutritional
supplement, or to fish and animal feeds to enhance the omega-3
highly unsaturated fatty acid content of products produced
from these animals. The lipids containing these fatty acids
15 can also be extracted and used in nutritional, pharmaceutical
and industrial applications.

2997\ -1\ -2\ -1\ -1\ Patent.1

08948325-082697